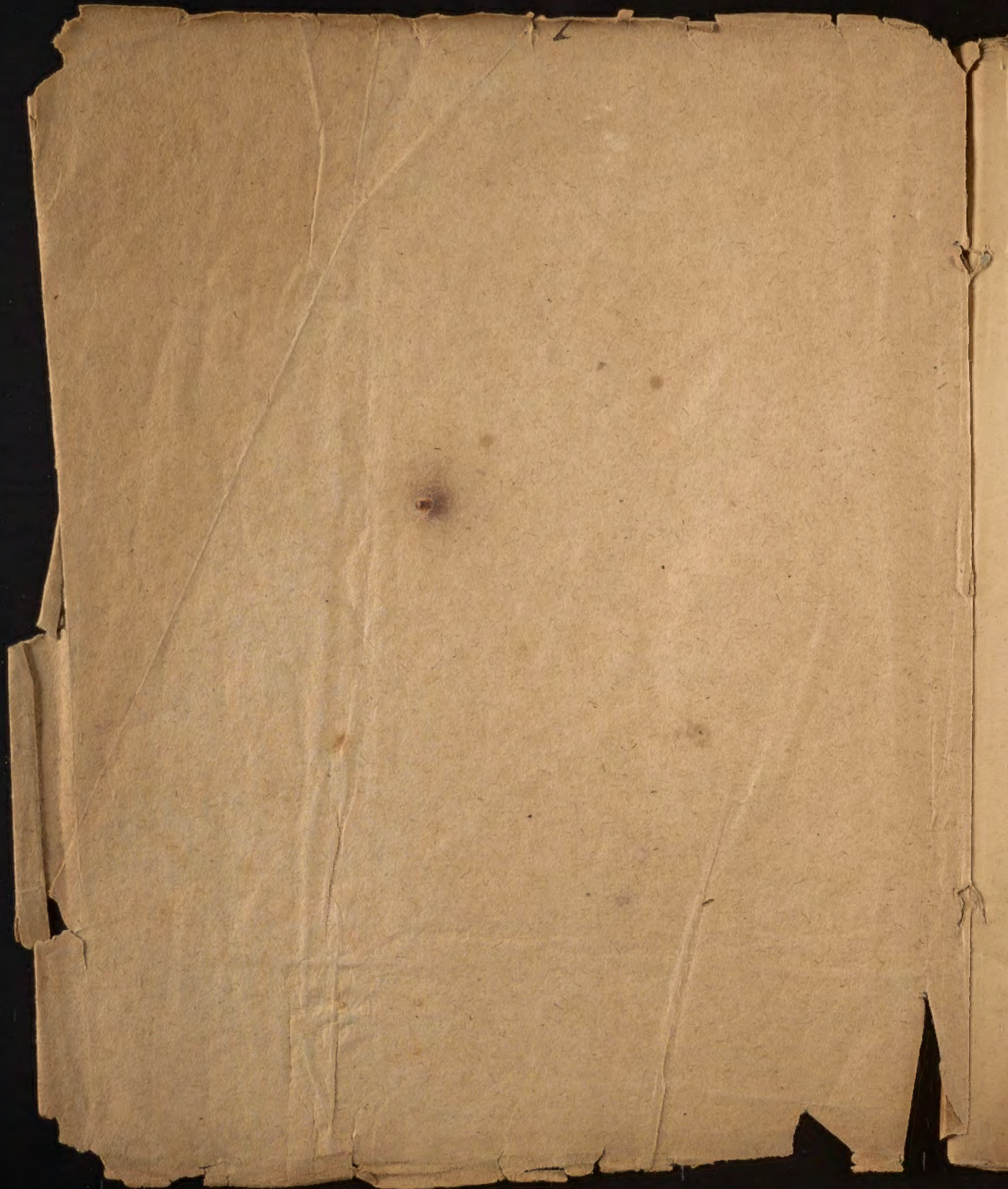


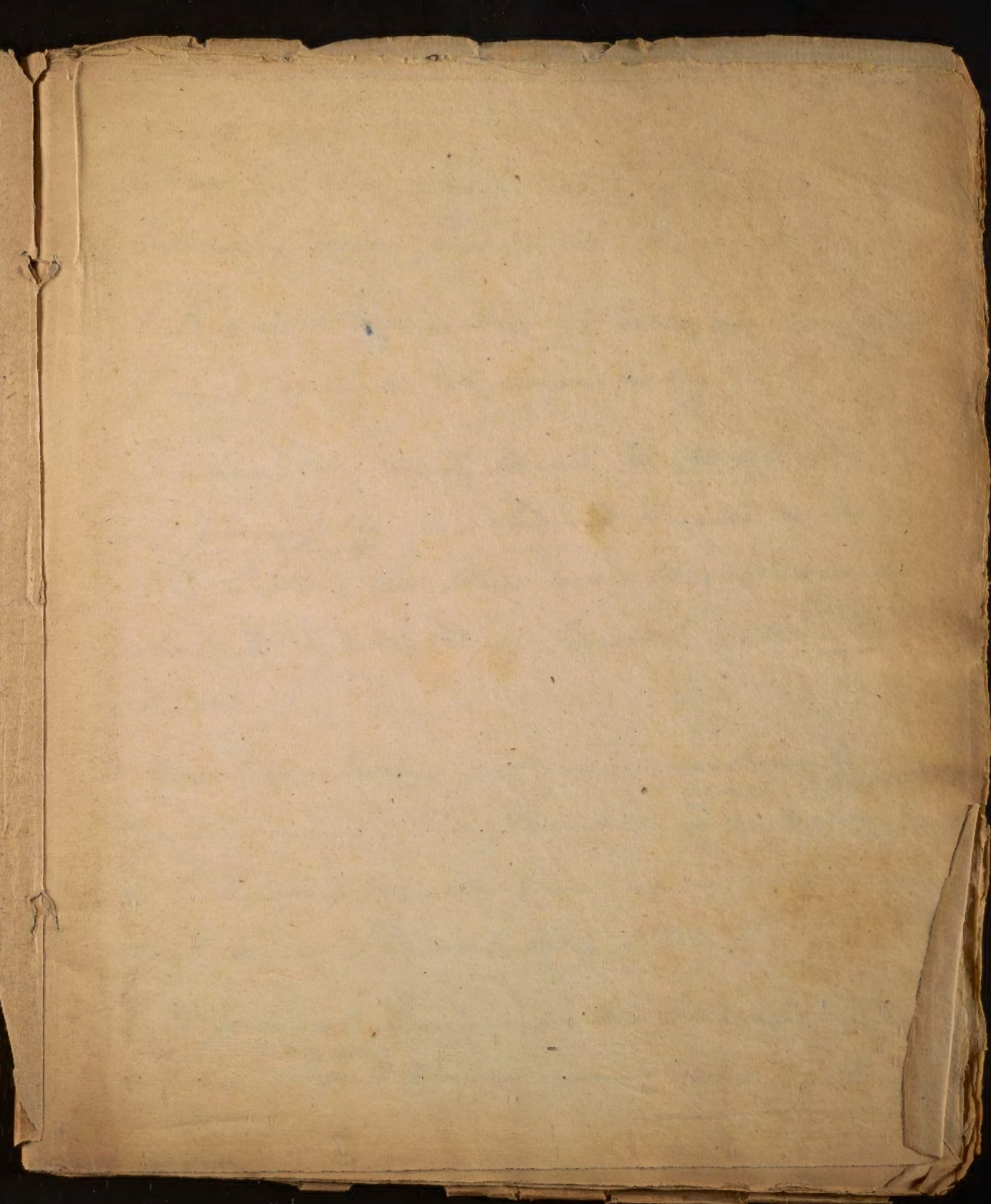
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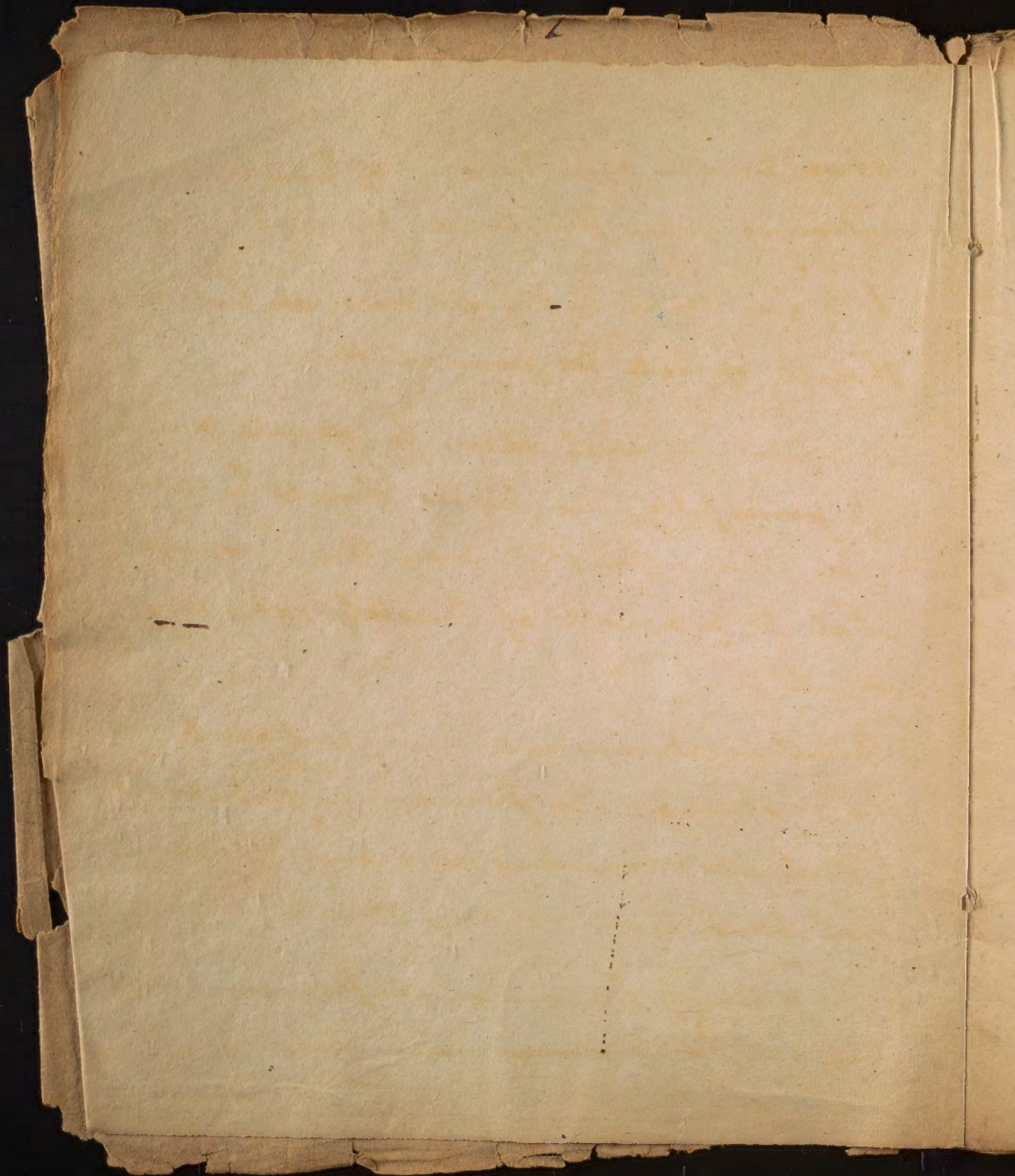
2

On Therapeutics

Price







1

omelhu

They In the exhibition of Emetics the following rules should be observed.

1 To give them in divided doses, ~~so~~ but they should operate too powerfully.

2 When we wish them to operate spudily and powerfully, no liquid should be taken after them. In this way they become what Dr marriott of Bristol calls dry vomits.

3 Emetics always act most certainly in the morning. The stomach is ^{more} predisposed to sickness & vomiting in many diseases at that time, than at any other.

4 To prevent spasms on the stomach, a patient should ~~always~~ never be in a lying posture.

Upon the subject of Emetics, I
must add, that where they are
safe, and indicated, ^{should much more} we do ~~best~~ service
with them ~~than~~ by repeating them
every day, or two or three times
a week, than by a single dose in
the beginning of a Disease. Where
an accidental puking from Disease
~~or~~ or from any thing offensive taken
into the stomach, it generally continues
from one to three or four days. The
Emetics practice often continue after
the principles which introduced them
have ~~been~~ ^{passed} away. This is the case with
Emetics. They were given formerly
only to discharge morbid matters
from the stomach, & hence a single.

2

5 When an Emetic operates more than we wish, it may be checked, by a few drops of Lard: or a Spoonful of Salt dissolved in a few ounces of water.

✓

Emetics are forbidden 1 In all cases of great Congestion in the head, and lungs.

2 In an inflammation of the stomach and bowels.

3 In the first stage of all highly inflammatory fevers.

4 In the advanced stage of pregnancy, & in persons subject to, or afflicted with ruptures.

5 In ~~cases~~ all cases of low Chronic fevers, & of general debility succeeding acute diseases.

+ Cold water acts in two ways. 1 by reducing ~~the~~ the excitement of the capillaries ~~by~~ when expired, & 2 by exciting them by means of ^{their reacting} reaction, so as to overcome the sedative effects of the water. The Indian mode prevails. I shall call these ~~external~~ external agents.

V Much has been said of the associated actions of the stomach & capillary vessels.

It may be explained upon the principle of continued sympathy. For the ^{Esophagus} stomach, bowels ~~and~~ ^{and} ~~brain~~ skin are all enveloped in a membrane which renders them easily ~~in-~~ ⁱⁿ⁻ ~~fer-~~ ^{fer-} ~~re-~~ ^{re-} ~~cept-~~ ^{cept-} ~~ible~~ ^{ible} by the same stimuli. ~~It~~ It constitutes the outward & inward surface of the body.

~~Insensibility~~ When its excitement is divided, impressions on one part of it tend to equalize its ^{it} excitement. ~~are~~ ^{excited beyond the sweating point?} the capillaries ~~too highly excited?~~ Impressions on the stomach abstract from that excitement, & thus open the ~~of~~ pores. Are they below the sweating point? Impressions on the stomach convey excitement to them, & thus open the pores. ~~These~~ ^{the}

Of Diaphoretics

They are such remedies as increase the discharge through the pores by sweat or insensible perspiration. They consist

1 of such Remedies as act directly on the skin. They are the pediluvium - the ~~heat bath~~ ^{heat bath} ~~warm bath~~ ^{warm bath} ~~foot bath~~ ^{foot bath} applied by means of air - water - vapor - sand - & clay to the whole body, - Arête applied to the limbs by covering the head with a blanket - bottles and bricks applied to the feet - cold ^{hot} air & cold water applied to the whole body, also cold ^{hot} water applied in succession to each other - and lastly rest and exercise. I shall call them external Sweats +

2 Such remedies as act upon the pores by means of an action excited in the stomach. These act by vomiting. They are inducing vomiting & crassa. But these are medicines which open the pores without irritating the stomach. These are Elix & Sassafras used in small doses.

I shall call them Stomach Sweats

3 Such medicines as determine the fluids from the internal parts of the body to the skin, by acting chiefly upon the stomach & blood vessels. These are Vinegar

latter
last is called diaphoretic. The former inacess sympa-
-thy.

✓ the sweating point. they had this
effect in an eminent degree in the yellow
fever of the year 1793 - and hence 10, & 10
were often called not only a purge purging
but a sweating powder. Purgs check sweats,
but it is only when the typhus is below
the sweating point.

a moisture upon the skin is often more
useful than sweats - Pringle says ~~that~~ ^{it}
this is remarkably the case in the close of
typhus or jail fever.

ardent spirits 4

Wine - The two fake roots & Lamonville & century - ~~the~~ Dover's powders, & Eupatorium.

4 such Remedies as act by the stimulus of Distention - these are diluting Drinks of all kinds. — Diluting Sweats

5 Purges. These act by reducing the system to

This Class of Remedies is indicated

1 in ~~all~~ certain cases where a matter foreign to the blood circulates with it. That ^{this is} ~~entire~~ sometimes the case is evident from many facts. The miasmata which produce the yellow fever float in the blood for many days & perhaps weeks but without mixing with it. Pus & venereal matter are often diffused in like manner in the blood, & eliminated from it ~~this the~~ ^{by the} kidneys in urinary excretion. The miasmata of fevers tend more to escape from the pores than this any other excretory before they ^{sometimes} excite disease, hence they are ~~precipitated in the~~ discovered by their smell in the sweats of persons infected by them. I have seen a curious mod of

✓ The poison of several venomous animals
it is said is expelled from the blood by the
Indians wholly by Sudorific medicines.
~~Dr. Blighant~~ tells us that sweating

Medical facts by a Dr. Crofield in which he relates that one of his fellow students in ^{Edin} was always cured of the V Disease by a spontaneous discharge of Urine. He once saw him he says soon after ^{an} venereal infection. He had a large chancre on his penis. ~~He~~ The Dr. advised him to take ~~the~~ ^{the} ~~the~~ his friend declined it, vizing his reliance upon nature for a cure. Sometimes afterwards he saw him in perfect health. He said his disease had passed out of his system by his pores, and added that the shirt he ~~was~~ had worn during his soreness had become so brittle as not to bear washing without being torn to pieces. — V

The Remedies proper to discharge the seeds of diseases from the blood, should be taken from the 1. 3. 4. ^{& viz external - Astringent, diluting.} Clases. DeBliphant informs us that breaking med. of any other kind than

V I would remark here that as the
use of Diaphoretic med^s, was founded upon
the doctrine of morbid matter & Concretion,
they are ~~life~~ ^{now} resorted to since the ~~seats~~
~~of~~ ^{of} fevers has been discovered to be seated in
the ^{blood vessels} ~~solid~~ instead of the ~~fluid~~ blood.

Sediments always did harm in the fevers of
 Jamaica. They are happily calculated ^{not} ~~only~~
 only to produce Sweats by distention, but they
 blunt assimilating in the fluids.

2 Diaphoretic Remedies are proper in all fevers
 where the action of the blood vessels is so moderate
 as to forbid Bloodletting. They are indicated in
 a more especially manner in fevers which have
 a centrifugal direction - such as the Gout &
 Rheumatism when they affect the limbs.

3 The 2. 3 & 4. ~~Reps.~~ Stimulus - Stimulus & Diluting -
 They are indicated in all diseases of the bowels
 particularly Colic & Dysentery. The 1. 2. 4.

4 — In Dropsical swellings of the Anasarca
 kind. The Land Bath cured ~~the~~ a person on board
 Admiral Dampier's vessel in his Voyage round
 the world.

5 In fevers in which a disposition to sweating
 is discovered by nature.

V a heat appeared on that part of his
body only which was wetted with cold
water.

7
The following rules should be attended to in
the ^{use} ~~administration~~ of Diaphoretic ^{Remedies} ~~medicines~~.
I shall divide these rules according as they are intended
~~to~~ ^{to} promote perspiration, or sweat.
To be used as in Great Sydenham.

1 To promote perspiration lying in bed should
be recommended. We perspire more in 9
hours in bed ^{when awake} than in 15 out of it. Blanket
the likewise be worn next to the skin.

2 Meals subdivided into five or 6 in day. I
~~remembered~~ took notice of the effects of this prac-
-tice in increasing perspiration in a former
lecture. - 2 or 3 times in week days
I think in Great Sydenham not vs. so

3 ~~Profusion~~ ~~the~~ Great Attention should be paid
to the heat of the body in all our attempts to
promote sweat. No permanent, salutary
sweat can be induced while the heat of the
body is above 108° . You saw this in Law's case.

4 The temperature of the drinks given to excite
sweats shd be regulated by the heat of the body.
They should be cold - when below it is above 108°
- warm when below 108° .

V There are cases in which they should
~~be withheld~~. They are proper, as when they
are given to blunt, or evacuate acrimony
or to induce sweats by distention,
or poisons, but in cases of ~~stagnant~~ redundant
fluids, from obstructed excretions they should be
withheld.

~~I Bladder~~ ~~is~~ ~~not~~ ~~more~~ ~~next~~ ~~to~~ ~~the~~ ~~skin~~ ~~is~~
~~one of the best modes of purgation~~

5 In fevers - ~~the~~ ^{should} ~~sweats, to be effectual should~~ be regulated by the stage of the disease. In their forming states, they often extinguish them, - When formed, they do harm - if the fever be of a highly inflamed nature.

6 Sweats should be suspended occasionally lest we exhaust our patients too suddenly. Depletion by the pores should require the same caution as depletion by V & abstinence.

7 Great care should be taken to change the linen sheets or blankets when they are impregnated with morbid sweats. They soon become - a fresh remote & exciting cause of febrile paroxysms.

8 ~~It is common to give diluting~~ ^{It is common to give diluting} ~~Thin or cordial drinks should be given to~~ support patients who are under the use of sweating remedies of any kind. But V

I believe they do happen in the typhus
state of fever. Sir Dr Pringle found this
to be case in the close of the Hospital
fever. ~~a soft~~ Death is frequently
accompanied with the sweats in the
close of this disease. A soft skin is
all that sh^d be looked for in it.

9 Uncommon care should be taken to prevent
this being suddenly ^{checked} by cold air. —

1 Diaphoretics are forbidden in all cases of great
inflamed action in the blood vessels, & in cases of
weak morbid action as well as a state of debility
from exhausted excitement & excitability. ✓

2 They are forbidden when the weather, without
affording any relief. —

I shall conclude by remarking that
this very popular remedy is unknown
among the natives. They instinctively
resort to purges - vomits & even ~~to~~ bleeding,
but none of them ~~being~~ ever have
recourse to a sweating medicine. —

v. liquor ferri & camell. the 3 last act more
certainly as a Remedy where they have been in
the habit of acting upon the kidneys in health.

DeWight mentions the case of a man in
whose the sound of a ~~low~~ Bagpipe always
produced an inclination to make water.

It is possible many people may have a
very similar peculiarity in their constitutions
to certain sounds. ~~It is~~ when they are
known we should not fail to avail
ourselves of them to promote the secretion

excretion of Urine. Onions applied to
the pubis of ~~the~~ Discharge Urine especially
from children are External Diuretics

of Diuretics

They are the Remedies which produce a natural, or preternatural flow of Urine.

~~The~~ ^{The} former are indicated, when the Urine is Obstructed; - the latter - when we wish to lessen the Quantity of circulating serum, or to discharge Acid or foreign matters from the blood system. - as Diaphter

They are 1: Cold air applied to the body when a little heated - Cold water applied to a part, or to the whole of the body - fear - abstinence - climbing a pair of stairs - descending into a cellar - the noise of a stream of V
2 Diluting Drinks - more especially such as are impregnated with substances said to act specifically upon the kidneys - such as parsley - melon

Levid cannot feed &c. Onions -
Diluting Diuretics

3 medicines which act upon the ^{kidneys, by} stomach and ~~sympathy thro' the medium of the stomach.~~ perhaps

and directly upon the kidneys. - These are Sal Tart: Mucil of the rinital salt ~~the vegetable~~



acids - Squills - Colchicum - & Turpentine &c
 Tongue - & excretions of Iron. ~~Stimulants~~ ^{Stimulants}
 They are indicated

1 In Drops where the kidneys refuse to perform their Office, and where an Obstruction of the secretion of Urine takes place without pain. The 1st Class is proper here - especially rising in bed according to the practice advised by Dr Sydenham.

2 They are indicated in Dropsical effusions of ^{or other symptoms} ~~all kinds~~ where the pulse is ~~accelerated~~ ^{or other symptoms} of disorder marks of great morbid action. all the Classes are proper here - The 1st ^{or external} should be preferred until the System is prepared for the 2nd & 3rd. Fear & Abstinence tho' simple in their nature have often performed wonders in Dropsies as I shall say hereafter.

3 In Dropsies of ^{moderate} ~~moderate~~ morbid action. The 3rd

especially Lion chiefly proper here.

They are forbidden in all cases where the kidneys are affected with Inflammⁿ. - & chronic dropsies.

✓ This Sympathy, or association of Action
~~shows~~ between the Stomach & lungs shows
 itself very plainly in the short, & obstinate
 Cough which is often excited in Children by
 Worms in the Stomach. — The lungs in like man-
 -ner act on the Stomach — hence a jerk often
 attends a Cough — hence perhaps the inflamⁿ of
 the Stomach ⁱⁿ of the yellow fever — from Action
 not rec^d but not felt by the lungs — &
 conveyed to the Stomach. Happily this class
 of medicines is less necessary than formerly
 from the more liberal Use of the lancet
 in Diseases of the Lungs. ^{3^{ly}} But ^{longer} ~~they~~
 I believe upon the lungs by exhaling

They are forbidden in all cases where the kidneys are affected with inflammation.

I have included Expectorants among the stimulants which indirectly act as sedatives ~~indirect sedatives~~ or medicines used to alleviate morbid excitement, by evacuating certain matters from the body. They are employed to discharge mucus & phlegm - & spurs from the lungs. ~~They are of doubtful value~~ They ^{act} upon the lungs thro the medium of the trachea ^{in passing into the} ~~or by a con~~ stomach, ² ~~and~~ thro the medium of the stomach in which (where) some of them act by exciting an action which suspends or excites an action in the lungs. V

They are 1. Demulcents as flaxseed & bran tea, Barley water - Liquorice - Sugar - Honey, & Vapor alone, or impregnated with Vinegar - Lemonade &c - & Seneca root.

a Vapor from the Stomach which insinuates itself into the Glottis, and thus stimulates the Lungs by coming in Contact with them.

Vol: Salt - Tar - garlic - & Oil of amber act in this way. ~~They open pores out of the mouth~~ ^{by} ~~the~~ ^{by existing} remedy acts ~~by the~~ partly by revulsion, ^{by existing} ~~partly~~ ^{inverse}

& partly by ~~that~~ ^{inverse} sympathy which ~~arises~~ ^{by existing} the Skin, & opens Action in the Lungs. - hence they are ~~from~~ a continuation of ~~respiration~~ ^{by existing} most useful where there is Cough for the same pellicle which extends without expectation.

over every external part of the body as the alimentary Canal from the pharynx to the Rectum, extends likewise ^{this} ~~when~~ all the windings of the bronchial Vessels in the lungs.

in contiguous Utters. It should be used only in a languid State of that Viscus. Emmenagoges should be different according to the Obstruction is acute, or chronic, or attended th with great th pulse action, or torpor in the Vessels of the Utters. They may all be known by the State of the pulse, which I have observed to

✓ They consists 1. of such things as act slowly
such as Spanish, & some other flies - The ~~4th~~
~~2nd~~ of ~~hot water~~ the ~~the~~ inner bark of

certains trees - ^{vs} of the roots of certain plants,
The disipative quality of flies is said to reside in ^{the} wings.
2 ~~and of boiling water~~ of an application
such as this, demonstrated as
which acts suddenly - Hot boiling water.
how applied. see Deftoch's letter.

= Sympathize in a remarkable manner
with the Arteries of the wound. In great morbid
excitement vs. purges & Abstinence are
the proper Remedies. In weak excitement,
~~or torpor~~ of the vessels - the Remedies should be
Chalybeates - exercise - and Enativum.

Blisters

This class of remedies is ^{employed} ~~composed~~ ^{chiefly} of ~~Spanish~~ ~~and other~~ ~~pituitous~~ ~~and~~ ^{they} ^{to} discharge ^{from} the blood, thro' the pores by inflaming the skin, and thus producing an effusion between the cutis & cuticula. ✓

They are indicated in general diseases of a moderate action in which cases they deplete from every part of the body. To do service - a great number of them must be applied at the same time.

1 In local Congestions - in the head - breast - ~~stomach~~ ^{the 3rd proper} limbs & joints. the 4th -

3 In ~~sudden~~ diseases in which congestions occur suddenly, and threaten ~~the~~ ^{from} their affecting vital parts - the sudden extinction of life. No 2. by a flannel -

The following rules sh^d. govern us in the use of this Class of Remedies.

1 To suffer the Blister to lie on the body till

V 4 In deep seated Diseases, it is of little consequence to what parts of the body Blisters are applied. Like us in similar cases, they deplete alike from nearly every part of the body.

They seldom ~~reach~~ ^{reach} in their effects ~~to do much service~~ Diseases of the bowels, Stomach, Liver, or Spleen except when those parts adhere firm^{ly} to the external integuments of the body. Without this Adhesion, there is no sympathy from Contiguity, & in a sum: - bent posture of the body, none from Contiguity. or head & neck -

5 ~~They are~~ In malignant fevers where there is a great tendency to gangrene, they should be applied to the ^{highest} ~~highest~~ ^{of the head} ~~of the head~~ ^{or neck} ~~or neck~~

it produces a ~~prolonged~~ discharge, or in common language till it rises, 1st be even for 24 hours. but, it may be taken of in 4. 6. or 8 if it rises within those hours.

2^d Blisters to the head - never rise - they discharge from by a gentle oozing. Blisters ~~that~~ not be taken of from the head in less than 24 hours. ^{Sometimes rise but, near not on the diseased part. see then on pain.}

3^d Blisters seldom ~~in~~ discharge ^{much} after the 2nd ^{or 3rd} Dripping. It will be better (when depletion is our principal object) to apply fresh blisters than to keep old ones running matter for 2 or 3 Days.

4th ^{near part} 6 - Disease ^{the} be loosened first -

They are forbidden in diseases of great morbid action & 2^{ly} in diseases of weak morbid action. There is a precise point of diseased action in which they are only proper, ~~as~~ in general diseases. In ~~poor~~ without much local determination - that point is in the typhoid state of the pulse. In

V There are ~~cases~~ where Blisters are
applied at what I have called the blistering
point, they discharge serum only. When
they are applied above ^{this point} ~~it~~ - they produce
a sore, which soon secretes pus - When
they are applied below it - they either
do not rise ^{at} ~~at~~ all - or they induce
gangrene. We sometimes see them discharge
serum ^{at} first - then pus - this is favourable,
as it shows the system to have risen to the
suppurative action. Again we see them
discharge serum, and then a blackish
scurry; this is unfavourable; as it ^{shows} ~~shows~~
the ^{system} ~~system~~ to have descended from the
blistering point to the gangrenous point.
There are Diseases I shall say hereafter which
require Blisters before the system descends to
the blistering point. Internal suppurations

Cases of great local Congestion - they may be applied in the Synchoid - Synochula - & even Synocha states of the pulse. ✓

3 They are forbidden in habits highly irritable, & in persons subject to suffer much from the Torpor sometimes induced by them.

4 They are forbidden, or should be used with great caution in pregnancy.

— are ^{often} ~~best~~ ^{with advantage} opposed by external suppuration, and these are best effected by Blisters when they are applied before the system descends to the point of serous effusion. In ~~the common~~ ^{the common} Dropsies ~~not inflamed~~ they do most service when they discharge serum only. ~~The sympathy of actions is of~~ ^{The sympathy of actions is of} great consequence in both these cases.

V all act - directly, or indirectly by equalising
excitement, and ~~thus~~ in this, we have found
the restoration of a diseased body to health
consists. - ~~Q~~ See below.

+ = more issues - 1 because they produce
some irritation which produces a revulsed
effects action & 2 from the ^{increase} sympathy of the
Skin with the lungs - they ^{produce} excitement
of the Skin, lessens excitement in $\frac{1}{2}$ lungs.
Parts destined to important functions
as walking &c.

^{Watson}
~~Q~~ I have thus mentioned the Remedies for
Disease in its open & sensible forms. -
~~when~~ Nearly all the same remedies
are required when Disease descends to
oppression, or depressed excitement,
turning . =

This class of Remedies is intended to lessen the quantity of fluids in the body by discharging them in the form of pus from Artificial Jous. — They are ~~not~~ Issues properly so called - letons - and perpetual Blisters. ~~They~~

They are indicated 1 In all cases where a gradual Abstraction of redundant fluids is required - as in pulmonary Consumption ^{gout} & a tendency to diseases of pulmp in the brain. In those two diseases I have preferred perpet. Blisters to ~~its~~ cont.

2 In local congestions - where danger arises from pulmp & pressure upon parts essential to life.

3. In cutaneous humors - on exposed parts. or ~~or~~ After the system has become habituated to them, ~~if~~ they should be ~~stop~~ treated with great caution & never without substituting some general, or local evacuation in their room.

With this we finish the 1st head of our Remedies, & the 5th of our Syllabus. & This

not
V It will ⁿ be necessary to name all the
medicines which belong to these classes.
~~Every kingdom of nature has furnished~~
~~her stores~~ You will find them in D'Allen,
or what ~~them~~ from the Professor of
Nat. medica. They are derived as you will
see from the vegetable ^{mineral} & animal kingdoms
from air and waters - ^{from the passions,} and from a hundred
of the arts of the man. I shall occasionally
~~mentionable.~~ mention a few of the most powerful &
useful of them, and mention likewise some
of subdivisions.

— But they require a different mode
of application. They must be applied
gradually, - This will be necessary for two
reasons 1st to ascertain whether the system
be oppressed, or prostrated, - if prostrated,
the less stimulants we abstract, the less
we injure the system - and if oppressed

31 All which act on
of Stimulating Remedies

These Remedies have been subdivided into many
Classes. I shall divide them into ^{but} 2 - viz Stimu-
-lants properly so called - by which I mean
such medicines as are given in a diseased state
of the body for the purposes formerly mentioned
of reducing the system by depletion, or for exciting
Actions ^{in ways} to be mentioned hereafter. ^{& Tonics} by ~~stimulating~~
by which I mean. Medicines intended to ^{act upon} ~~improve~~
~~the strength to the body~~ ^{the} predisposing, or subsequent
debility of diseases. ^v ~~I need not repeat to~~
~~you that they both act by~~ ^{the former} ~~I need not repeat~~
~~to you that they both act by~~ converting excitatⁿ
into excitement, when they ~~can~~ cure diseases
without abstracting any portion of fluids
from the body. ^{But in the reverse.}
It will be sufficient here barely to
~~say that it is necessary that I should repeat~~
~~to you that~~ ^{repeat} that different Stimulants act differently

As we prevent the two hidden, or
convulsive ~~and~~ resuscitation of excite-
ment. & I shall say hereafter Stimulants
should be ~~not~~ applied gradually. The
same advantages attend the gradual
Abstraction of Stimuli. This principle
will be illustrated in many of the Diseases
^{ch} we are to be treated of in the practice of
Physic. I have said nearly all the Remedies
are proper in the oppressed State of the
System that are proper in open & sensible
~~& morbid~~ morbid excitement.
Cold water is always improper when there
is an Absence of heat which is often
the case in suffocated excitement. Eg
cold feet & even Chills in yellow fever.
cured only by W. sponges. ~~etc. etc. etc.~~

~~Stimulating the~~

I cannot dismiss this class
of Medicines

upon different parts of the body. E.g. ^{certain} Bitters
 and act ^{chiefly} on the Stomach - astringents on the
 bowels - Bark on the blood vessels - mercury
 on lymphatic glands - and ^{had} ~~Opium~~ Oil of
 Amber on the muscles - Asafetida on the
 nerves - and wine & Opium upon ~~all~~ every
 movable fibre in the body.

I shall first take notice of
~~I exclude from the class of Remedies now~~
~~under Consideration all those Stimulants which~~
 destroy morbid action by this expulsive force.
 They have been improperly called sedatives.
 They act by destroying the irritability of the
 blood vessels and ^{muscular} ~~vascular~~ system. ~~Digitalis~~
^{also} ~~Digitalis~~ - alkalies accord to Dr. ~~Winn~~
~~mean of Lead~~, & several of the poisonous plants
~~- ysaclis~~
~~lately~~ introduced into medicine, act in this
 way. This operation is analogous to that
 of ~~marasmoda~~ when they produce malignant
~~fevers~~, or when they ^{prostrate} ~~disrupt~~ the system below

✓ In Hemorrhages and Epilepsy the *sa: fatum*:
have sometimes proved useful where Depleting
remedies have been used to no purpose, in ~~de~~
lessening the irritability of the Arterial & nervous
system.

— . Without suggesting to *Ypo:is*, their
great importance in medicine. This will
appear when we attend to the different issues
the operations of nature ~~of the physicians who~~
~~of nature and (as it is)~~ but science the
follow her, and
operations of science in the treatment of
acute diseases.
these. When the diseases which require
sedatives or depletion, are left to the care
of nature, ^{and by Volaries,} ~~the~~ ^{is expended} ~~is expended~~ the excitabⁿ
of the system, without reducing its

the point of reaction. ~~These remedies~~ ^{the cases in which} ~~these~~ remedies are proper are but few, the
^{direct} ~~sedatives~~ ^{should} generally be preferred to
 them. ~~They~~ ^{are} even where they disorg
 the system, they seldom cure, without the
 subsequent aid of stimulating & tonic remedies.
 - ~~However all the history~~ ^{the consumption?}
 Dropsy when relieved by Digitalis have generally
 returned where this ^{has} not been the case, in
 the course of a few weeks or months. ✓
 Again ^{gotten} ~~There is~~ ^{no} ~~mode of using~~
~~food & diet~~ ^{are} sometimes given
 Stimulants on which it is incumbent
 upon me to decide before I proceed any further,
 and that is to exhibit ~~that~~ in such an
 manner as to reduce great morbid ex-
 -citement ^{by} ~~by~~ ^{wasting the} ~~dissipating~~ Stimulants have
 act like exercise & labor. They waste the

excitement by fruitless morbid actions, ~~and~~
~~which leave~~ ^{which leave} ~~the body in a~~ ^{the body in a} ~~stricken~~ ^{stricken} ~~state~~
or full of obstructions. In these

Cases, ^{Stimulants} ~~Medicines~~ can do nothing, - for
they have no excitability to act upon,
^{not only} hence the origin, but the mortality
of chronic Diseases. Very different is the
issue of the acute Diseases where Depletion
or relative remedies have been ^{employed} ~~used~~.

They reduce excitement - they prevent
effusions & obstructions - and they ^{accumulate} ~~retain~~
such a stock of the ^{the} excitability of the System, as to enable
the Stimulants ^{by acting immediately upon it, to} ~~relieve the predisposition~~
~~remove the~~ ~~Delicacy, and Depleting remedies to which~~

the predisposition, or the Depleting remedies ^{not}
had left upon the System. I am ^{not} sure

that Dr Sydenham understood this
principle in the ~~case~~ ^{cases} when he used
the use of Depleting ~~the~~ remedies in all

Dr. W. Darwin calls ^{for the} personal power
excitability of the system in an accelerated
manner, ~~and~~ ^{for example} - Frictions have
cured a violent inflamed Rheumatism - hard labor
~~has~~ tonic madrep - and the hot cold baths in
Friction (after the Indian manner) - ^{have cured} an acute
fever of great morbid action. These Remedies always
do violence to the Constitution, & are never safe
where the blood vessels are affected, in common habits.
They ^{are} ~~to~~ ⁱⁿ a violent fever, ~~what~~ ^{like} breaking
the hinges of ~~open~~ ^{instead} a door is, ~~not~~ ^{compared with} ~~un-~~
turning a key, in order to open it. ~~So there~~
~~are however some diseases~~ Depleting remedies ~~the~~?
be preferred to them, as more safe, & certain, tho'
less rapid in their operation. There are however
instances of diseases which are removed beyond
the influence of depletion. The Tetanus in one
of them. Here stimuli Opium - Wine - Sp. &
Bark perform a cure by prostrating the
excitement, and expending the excitability of the

✓ They are most safe in ^{all} muscular Diseases, for
^{in them the blood vessels are generally free of disease &}
again these are Diseases which yield
alike to depletion & stimulating Remedies.
These are generally the moderate grades
of Bilious fever. They are often cured with
equal certainty by vesicaries & by large doses
of Bark. —

+ They are safe too in various
Diseases of Contrifugal Direction as Rheumatism
Lgrent.

— violent or acute Diseases, but I am
sure he ^{followed} ~~understood~~ the practice founded
upon it, - hence we observe - he ^{scarcely} ~~never~~
^{ever} prescribes a stimulating or tonic med:
without preparing the body for it by
bleeding or a purge. The excitⁿ of
the System was thus accumulated,
by which means
his stimulating & tonic medicines
then acted with certainty - force &

Success. ~~Return to p 31.~~
these being in the ^{four} or five ways
as months - nose - lungs - bowels & skin in w^h sedatives are
used

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~~System~~ muscular system. ✓

There has been a good deal of difficulty,
and some controversy, in determining when to
begin the use of Stimulating Remedies, &c.
I mentioned this formerly.
The stage of the disease, and the previous exhibition
of depleting remedies should always be taken into
consideration. But our reliance should be placed
chiefly upon the effects they produce upon the
body. ~~more especially the pulse.~~ If they create
disagreeing heat - or pain - ^{or a flush} ~~or~~ fulness in the
head - breast, or bowels, ~~it~~ and above all,
if they bring on greater ~~quickening~~ frequency,
with weakness in the pulse, it is a sign they
have been ^{given} ~~going~~ prematurely, and it will
be necessary to refrain from their further
use. If on the contrary, they ^{produce} ~~have~~ none
of the above effects, and ~~chiefly~~ ^{chiefly} if they im-
-part ~~vigor to the system~~ fulness & shewness
~~they are~~ to the pulse, they are perfectly safe,

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~~They are alike proper in the~~
~~I have hitherto spoken of Stimulants~~
~~Indications of the System~~

~~✓ Sometimes given by Annas does good.~~

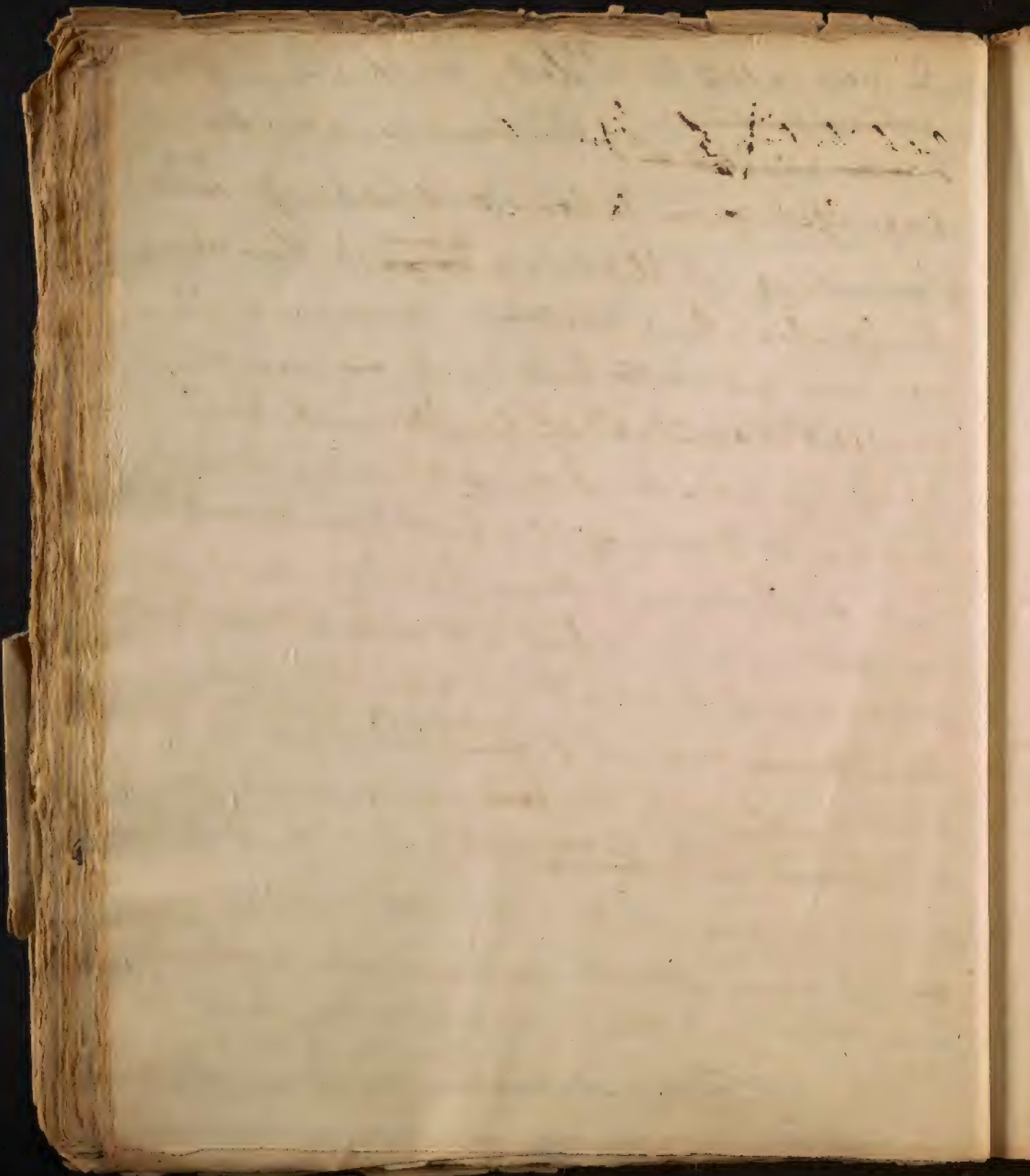
~~✓ I acknowledge this rule is applied chiefly~~
~~to diseases in which the Arterial System~~
~~is affected. In diseases of the other Systems,~~
~~we are often left without any guide to~~
~~determine upon the dose of stimulant, or~~
~~the part to which it shd be applied. ^{The} ~~could~~~~
~~Discovery of~~
~~an instrument to measure the quantity~~
~~or grades, & seats of excitability in the different~~
~~Systems of the body, would deserve more from~~
~~the world, ^{than} ~~from~~ the discovery of the Solar System,~~
~~- Did I know ~~when~~ Gladly would I embrace~~
~~the feet of such a benefactor to mankind -~~
~~and But until such a discovery can be~~
~~made we must rely as I said formerly~~
~~upon ^{our} ~~former~~ experience from the resemblance~~
~~of diseases, & upon actual experimentation~~

and may be continued with very probable
 expectation of advantage. ^{Some of} you saw this
 interesting case in typhus ^{consumption in 1808} ~~pulm~~ ^{consumption in}
~~we shall~~ ~~now~~ ~~to~~ ~~mention~~ ~~the~~
 manner in which Stimulants should be
 given when they are intended to act directly
 upon the system, ~~this leads us to the 6th~~
~~Article in our Syllabus, which includes~~
~~those Stimulants +~~ This is an important
 part of our course, & requires the closest
 attention - go to p: 16 of Old Lecture 20.
 D This leads us to ~~our~~ ^{the} 6th Article in
 our Syllabus. viz to consider the med.
 which destroy morbid action at one extremity or
 which remove morbid action by exciting
 a stronger, or less diseased action in ^{the}
^{affected} diseased part, or in some ^{other} part of the
 body. - These are med are direct
 Stimuli. The following directions ~~are~~
 to be followed for this purpose.
 p: 16 of N^o 3

the exhibition of Stimulants. We may
 thus find out both the appropriate dose
 & the appropriate place to apply ^{it} ~~them~~. Some
 of you saw the effects of my ignorance of
 the state of excitabⁿ in J^r. White at the
 hospital a few days ago Jan^y 1808. I gave
 him 30 drops of Laud. at bedtime to com-
 -pose a cough which ~~he~~ followed a pre-
 -monitory. It ~~excited~~ not only kept him
 awake, but excited his system so much
 as to render it necessary next day. Ten
 drops would probably have induced sleep,
 and relieved him afterwards. ^{In the night} within ~~these~~
~~few days~~ ^{of it} Jan^y 1808 I ~~have~~ ^{was} been more
 successful in ~~discovering~~ ^{accommodating} a stimulant
 to the heat of ~~excite~~ & grade of excitabⁿ.
~~After taking a bath three days in the~~

I was called to a ³⁹lady with an inflam^m
~~ed~~ ~~ed~~ ~~ed~~ of the bowels, attended with
~~severe~~ ~~visited~~ ~~a~~ ^{or}
exquisite pain & constant sickness ~~and~~
Vomiting. I bled her 3 ^{times} ~~days~~, & thus reduced
her pulse, but the pain continued. Blood
was now indicated, but such ~~as~~ was the
irritab^l & excitab^l of her stomach, & so
discharging were the sickness & puking that I
believe 10 Drops of it would have convulsed
her or perhaps destroyed her life. She could
bear nothing upon it but Cold water & that but
a temporary relief at a time. In this state of
her ~~stomach~~ patient I ^{directed, to be given} gave ~~her~~ by way of
Alyster. Happily the ~~bowels~~ bowels were in
a ^{very} ~~natural~~ ^{injuring} state of excitab^l and that to
such a degree as to bear 150 Drops of Laud.
in 3 successive injections which relieved
her pain, and thus completed her recovery.

^{return to p 36 V}
~~There is another note in the~~



exhibition of Stimulants, which deserves
our Attention, and that is







